

## § 77.1

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### Subpart A—General

#### § 77.1 Scope.

This part 77 sets forth mandatory safety standards for bituminous, anthracite, and lignite surface coal mines, including open pit and auger mines, and to the surface work areas of underground coal mines, pursuant to section 101(i) of the Federal Mine Safety and Health Act of 1977.

[36 FR 9364, May 22, 1971, as amended at 43 FR 12320, Mar. 24, 1978]

#### § 77.2 Definitions.

For the purpose of this part 77, the term:

(a) *Active workings* means any place in a coal mine where miners are normally required to work or travel;

(b) *American Table of Distances* means the current edition of “The American Table of Distances for Storage of Explosives” published by the Institute of Makers of Explosives;

(c) *Barricaded* means to obstruct passage of persons, vehicles, or flying materials;

(d) *Berm* means a pile or mound of material capable of restraining a vehicle;

(e) *Blasting agent* means any material consisting of a mixture of a fuel and oxidizer which—

(1) Is used or intended for use in blasting;

(2) Is not classed as an explosive by the Department of Transportation;

(3) Contains no ingredient classed as an explosive by the Department of Transportation; and,

(4) Cannot be detonated by a No. 8 blasting cap when tested as recommended in Bureau of Mines Information Circular 8179.

(f) *Blasting area* means the area near blasting operations in which concussion or flying material can reasonably be expected to cause injury.

(g) *Blasting cap* means a detonator containing a charge of detonating compound, which is ignited by electric current, or the spark of a fuse. Used for detonating explosives.

(h) *Blasting circuit* means electric circuits used to fire electric detonators or to ignite an igniter cord by means of an electric starter.

(i) *Blasting switch* means a switch used to connect a power source to a blasting circuit.

(j) *Box-type magazine* means a small, portable magazine used to store limited quantities of explosives or detonators for short periods of time in locations at the mine which are convenient to the blasting sites at which they will be used.

(k) *Capped fuse* means a length of safety fuse to which a detonator has been attached.

(l) *Capped primer* means a package or cartridge of explosives which is specifically designed to transmit detonation to other explosives and which contains a detonator.

(m) *Certified* or *registered*, as applied to any person means a person certified or registered by the State in which the coal mine is located to perform duties prescribed by this Part 77, except that, in a State where no program of certification or registration is provided or where the program does not meet at least minimum Federal standards established by the Secretary, such certification or registration shall be by the Secretary.

(n) *Detonating cord* or *detonating fuse* means a flexible cord containing a core of high explosive.

(o) *Detonator* means a device containing a small detonating charge that is used for detonating an explosive, including, but not limited to blasting caps, exploders, electric detonators, and delay electric blasting caps.

(p) *Electrical grounding* means to connect with the ground to make the earth part of the circuit.

(q) *Explosive* means any chemical compound, mixture, or device, the primary or common purpose of which is to function by explosion. Explosives include, but are not limited to black powder, dynamite, nitroglycerin, fulminate, ammonium nitrate when mixed with a hydrocarbon, and other blasting agents.

(r) *Flash point* means the minimum temperature at which sufficient vapor is released by a liquid or solid to form